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processor "control unit" "processing unit" OR 1950

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High performance integrated **processor** architecture including a sub-bus **control unit** for generating ...

DD Gephardt, DS Mudgett, JR MacDonald - US Patent 5,557,757, 1996 - Google Patents ... processor includes a CPU core, a local bus coupled to the CPU core, and a ... The integrated processor further includes a sub-bus bus control unit coupled to ...

Cited by 28 - Related articles - Web Search - All 2 versions

A 1 V heterogeneous reconfigurable processor IC for basebandwireless applications

H Zhang, V Prabhu, V George, M Wan, M Benes, A ... - 2000 IEEE International Solid-State Circuits Conference, ..., 2000 - ieeexplore.ieee.org

... The Maia **processor** (Figure 4.1.3) combines an ARM8 **core** with 21 ... and an embedded low-energy FPGA [3]. Through an interface **control unit**, ARM8 config ...

Cited by 65 - Related articles - Web Search - All 2 versions

[PDF] ➤ Designing the Low-Power M• CORE TM Architecture

J Scott, LH Lee, J Årends, B Moyer - Power Driven Microarchitecture Workshop, 1998 - Citeseer ... indicate that the code density of the M•CORE microRISC engine is ... Fixed-length instructions also serve to reduce the CPU's control unit complexity, since ... Cited by 62 - Related articles - View as HTML - Web Search - All 12 versions

Apparatus and method for guaranteed data store in redundant controllers of a process control system

PF McLaughlin, PH Mody - US Patent 5,088,021, 1992 - Google Patents

... 3. The **processing unit** of claim 2 wherein said pro-type 68824. The receiver transmitter unit 331 can be a cessing unit is a **process control unit** and said ...

Cited by 18 - Related articles - Web Search - All 2 versions

Central **processing unit** employing microprogrammable control for use in a data processing system

RH Gruner - US Patent 3,990,052, 1976 - Google Patents

... 2, 1976 [54] CENTRAL **PROCESSING UNIT** EMPLOYING MICROPROGRAMMABLE CONTROL FOR USE IN A ... Jacob Frank; Joel Wall [57] ABSTRACT A microprogrammed **processor** having a ...

Cited by 24 - Related articles - Web Search - All 4 versions

Configuration and control unit for a heterogeneous multi-system

JL Fox, EE Marquardt - US Patent 4,075,693, 1978 - Google Patents

... Thus, the invention is able to distributed configuration control registers with dupli- cross-couple any I/O **control unit** to any **processor** to cated ...

Cited by 60 - Related articles - Web Search - All 6 versions

STARAN parallel **processor** system hardware

KE Batcher - Proceedings of the May 6-10, 1974, national computer ..., 1974 - portal acm.org ... The PIO **control unit** controls the PIO flip network and the ... STARAN Parallel **Processor** System Hardware 499 ... control memory also has a 16K-word **core** memory with a ...

Cited by 119 - Related articles - Web Search

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- 2000

... system providing interfaces to central **processing unit** and modular **processor**-controllers for an ...

DA Millers... - US Patent 4,106,092, 1978 - Google Patents

... INTERFACES TO CENTRAL **PROCESSING UNIT** AND MODULAR **PROCESSOR-**CONTROLLERS FOR AN INPUT-OUTPUT SUBSYSTEM [75] Inventor: Donald Alexander Millers, II., San Clemente ...

Cited by 31 - Related articles - Web Search - All 3 versions

The design and use of simplepower: a cycle-accurate energy estimation tool- ▶ SSI (POF) W Ye, N Vijaykrishnan, M Kandemir, MJ Irwin - Proceedings of the 37th conference on Design automation, 2000 - portal.acm.org

- ... does not capture the energy consumed by the control unit of the processor and the ...
- 2. The major components of SimplePower are: SimplePower core, RTL power ...

Cited by 303 - Related articles - Web Search - BL Direct - All 26 versions

Secure cryptographic processor arrangement

JT Marino Jr, RS Core - US Patent 4,987,595, 1991 - Google Patents

... Jr., Fountain Hills; Ronald S. Core, Glendale, both ... 8. A secure processor arrangement as claimed ... subsystem further including bus control unit means providing ...

Cited by 12 - Related articles - Web Search - All 5 versions

Process control system with improved system security features

DK Richer - US Patent 4,351,023, 1982 - Google Patents

... the health of the on-**control unit** before deciding ... of providing direct digital control of the **process**. ... may include a central **processing unit** (CPU), memory, and ...

Cited by 34 - Related articles - Web Search - All 2 versions

... efficiently executing a large repertoire of instructions for a high performance data processing unit

JE Wilhite - US Patent 4,179,736, 1979 - Google Patents

... COMPUTER **CONTROL UNIT** CAPABLE OF EFFICIENTLY EXECUTING A LARGE REPERTOIRE OF INSTRUCTIONS FOR A HIGH PERFORMANCE DATA **PROCESSING UNIT** [75] Inventor: John E ...

Cited by 18 - Related articles - Web Search - All 3 versions

A video DSP with a macroblock-level-pipeline and a SIMD typevector-pipeline architecture for MPEG2 ...

M Toyokura, H Kodama, E Miyagoshi, K Okamoto, M ... - IEEE Journal of Solid-State Circuits, 1994 - ieeexplore.ieee.org

... scheme consisting of a macroblock-level (MB: the basic **processing unit** in MPEG2 ... The VLCNLD **processor** consists of one pro- grammable **control unit** (VPCU) and ...

Cited by 44 - Related articles - Web Search - BL Direct - All 5 versions

Intelligent input-output interface control unit for input-output subsystem

DJ Cook, DA Millers... - US Patent 4,162,520, 1979 - Google Patents

... [57] ABSTRACT An Input-Output Interface Data-Transfer Control Unit, designated as a Line Control Processor, which provides the execution of instructions in ...

Cited by 40 - Related articles - Web Search - All 3 versions

Process control for electrostatographic machine

BH Mills - US Patent 4,779,106, 1988 - Google Patents

... 2, LCU 52 consists of tempo- rary data storage memory 54, a central **processing unit** (CPU) 56, a timing and cycle **control unit** 58, a stored program control 60 ...

Cited by 21 - Related articles - Web Search - All 7 versions

Data packet switch using a primary processing unit to designate one of a plurality of data

stream ...

JN Chiappa - US Patent 5,249,292, 1993 - Google Patents ... specialized hardware 10 cannot **process** are passed to a software controlled primary **processing unit** 11, includ- ing a central **processing unit**, CPU, 12, running ...

Cited by 24 - Related articles - Web Search - All 2 versions

Universal process control device and method for developing a process control loop program DJ Jones, WA Edbiad, JS Pringle, DM Oravetz, JR ... - US Patent 4,663,704, 1987 - Google Patents ... a general description of the distributed **processing unit** or drop ... ity of a distributed processing **control unit** or drop ... and continu- 25 ous **process** control and ...

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CPU clock control unit

PM Bland, RT Jackson, J Joshi, J Kardach - US Patent 5,546,568, 1996 - Google Patents ... 5,546,568 CPU CLOCK **CONTROL UNIT** BACKGROUND OF ... relates to a power management architecture scheme for a central **processing unit** ("CPU") implemented within ... Cited by 21 - Related articles - Web Search - All 2 versions

Multi-processor system with programmable memory-access priority control S Suzuki, S Eguchi - US Patent 4,400,771, 1983 - Google Patents ... the hardware in the 45 memory control unit 23 may ... 2. The multi-processor system includes a plurality ... processors are the first central processing unit (CPU#1) 51 ... Cited by 36 - Related articles - Web Search - All 2 versions

(k)-Instructions-at-a-time pipelined **processor** for parallel execution of inherently sequential ... HT Hao, H Ling, HE Sachar, J Weiss, YJ Yamour - US Patent 4,594,655, 1986 - Google Patents ... INSTRUCTIONS-AT-A-TIME PIPELINED **PROCESSOR** FOR PARALLEL ... AND INTERLOCK OET.I RESOLUTION

CONTROL UNIT Dato Flow ... Irwin, "A Pipelined **Processing Unit** for On-Line ...

Cited by 71 - Related articles - Web Search - All 3 versions

Key authors: J Rabaey - H Zhang - D Kuck - J Scott - K Batcher

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Rugged modular portable computer including modules hinged along an edge

SW Smith - US Patent 5,430,607, 1995 - Google Patents

... The **inner** filter is preferably made from a 3M (S ... The gasket 608 also provides **EMI** may be affixed to a ... 4 and **shielding** as well as moisture sealing and is soft ...

Cited by 29 - Related articles - Web Search - All 2 versions

Height reducible EMI shielded electronic enclosure

DP Bell, ED Burke, PE Case, DE Johnston, RL McCord ... - US Patent 6,111,192, 2000 - Google Patents ... frame covered by an appropriate **inner** and outer ... by an externally mounted environmental **control unit** (ECU) 126 ... claim 2 wherein the gasket provides **EMI shielding**. ...

Cited by 4 - Related articles - Web Search - All 2 versions

Composite Unit Accelerated Life Test of the High Gain Array

SL Arnett, AV Bray, SC Liberty - 1993 - Storming Media ... 10 3.2 **EMI Shield** Evaluation ... potted and connected to a stave cable consisting of 30 bundled conductors, an outer braided binder, and an **inner** strength member ... Web Search

Data current coupler and methods of making and assembling same

WJ Rudy Jr, HR Shafter - US Patent 4,904,879, 1990 - Google Patents ... 194,196 to receive Cover 220 includes pivot pins 28 (in phantom) and also inner legs !86 ... For best **EMI**/RFI protection, all seams between **shield** member 200 ... Cited by 9 - Related articles - Web Search - All 6 versions

The death of smart sensors and effectors for future combat aircraft

RA Edwards, B Gleaves - Microprocessors and Microsystems, 1997 - Elsevier ... the environment and rough handling, as well as **EMI shielding**. ... The **core** network is likely to be based ... allows all control processes (including **inner** loop closure ... Web Search - All 3 versions

Antenna tuning control circuit

ND Terk, JA Lofgren, WR Steinike - US Patent 5,812,066, 1998 - Google Patents ... control signal generated by a user-operated remote **control unit**, the signal ... metal housing substantially surrounds the pro -cessor for **shielding** the dipole arms ... Cited by 1 - Related articles - Web Search - All 2 versions

Antenna tuning control system

ND Terk, JA Lofgren, WR Steinike - US Patent 6,016,108, 2000 - Google Patents ... for sensing a wireless control signal generated by a remote **control unit** and (b ... metal housing substantially surrounds the pro- cessor for **shielding** the dipole ...

Related articles - Web Search - All 2 versions

... a complete computer system including a sub-printed wiring board attached to an **inner** surface of the ...

K Tsukada, N Nakamura, M Nimura, H Suemori, T ... - US Patent 5,710,693, 1998 - Google Patents

... HAVING A FLAT, CARD-LIKE CASING ENCLOSING COMPONENTS FOR A COMPLETE COMPUTER SYSTEM

INCLUDING A SUB- PRINTED WIRING BOARD ATTACHED TO AN INNER SURFACE OF THE ...

Cited by 7 - Related articles - Web Search - All 2 versions

Mounting system for current mode coupler

WJ Rudy Jr, HR Shaffer, DE Stahl - US Patent 5,435,512, 1995 - Google Patents ... control unit, with the control unit providing electrical ... Electromagnetic shielding by using metallic plat- ing on the housing provides **EMI**/RFI protection. ...

Cited by 3 - Related articles - Web Search - All 2 versions

PUSHBUTTON CHANNEL SELECTING AND VOLTAGE DIVIDER PRESETTING UNIT

US Patent 3,522,542, 1970 - Google Patents

... ETAL 3,522,542 PUSHBUTTON CHANNEL SELECTING AND VOLTAGE **EMI** j e ... so that they can act on the **inner** TMth /ald ... for a switching unit of a remote **control unit**; 'FIG ...

Cited by 1 - Related articles - Web Search - All 2 versions

System and methods for electronic control of an accumulator fuel system

SÁ Thompson, J Daiker, JA Stavnheim, W Meyer, G ... - US Patent 5,678,521, 1997 - Google Patents Page 1. US005678521A United States Patent [igj [ii] Patent Number: 5,678,521 [45] Date of Patent: Oct. 21, 1997 Thompson et al. [54 ...

Cited by 14 - Related articles - Web Search - All 4 versions

[PDF] ➤ Optical Closed-Loop Propulsion Control System Development

GL Poppel, Lewis Research Center - 1998 - ntrs.nasa.gov

... for the F404 ECU (electrical **control unit**) to be ... technology will provide immunity to **EMI** (electromagnetic interference ... micron **core** fiber optic pins per MIL-T ...

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Paul Cook: Pioneer in Heat-Shrinkable Insulation

EIM Exclusive - IEEE Electrical Insulation Magazine, 1989 - ieeexplore.ieee.org ... many new products based on variations of this **core** technology—for instance, dual-wall tubings that create a moisture-proof seal, **shielded** molded parts that ... Web Search

Electronic device having connector with rows of terminals divided by ribs and ground or power

K Tsukada, N Nakamura, M Nimura, H Suemori, T ... - US Patent 5,481,432, 1996 - Google Patents Page 1. US005481432A United States Patent Tsukada et al. [ii] Patent Number: [45] Date of Patent: 5,481,432 Jan. 2, 1996 [54] ELECTRONIC ...

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Electric arc power collection for high-speed trains

D Klapas, R Hackam, FA Beanson - Proceedings of the IEEE, 1976 - ieeexplore ieee.org ... The available power on the vehicle may be doubled by add- ing an iron **shield** under the ... ductive coupling is a variation of the "open **core**" transformer [20]. ...

Cited by 1 - Related articles - Web Search - All 2 versions

Electronic device having a flat, card-like casing enclosing components for a complete computer ...

K Tsukada, N Nakamura, M Nimura, H Suemori, T ... - US Patent 5,502,617, 1996 - Google Patents Page 1. US005502617A United States Patent Tsukada et al. [ii] Patent Number: 5,502,617 [45] Date of Patent: *Mar. 26,1996 [54] ELECTRONIC ...

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EMP Design and Test Guidelines for Systems in Mobile Shelters

SC Sanders - 1993 - Storming Media

... 34 5.5 Shield Density Currents 34 ...

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Display apparatus providing a uniform temperature distribution over the display unit

T Shimada, K Kurematsu, H Takabayashi, S Yabu, M ... - 1996 - freepatentsonline.com

... diagram of another lighting device power supply **control unit**. ... a structure of an electromagnetic **shielding** plate disposed on an **inner** surface of a rear ...

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Common receive module for a programmable digital radio

WC Phillips, MV Pascale, RW Minarik, KM Schmidt, ... - US Patent 5,859,878, 1999 - Google Patents ... The digital signals are supplied to a programmable signal **processing unit** which is configured, according to the selected radio application and, if present, the ...

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Fluorescent lamp ballast having a resonant output stage using a split resonating inductor MS Moisin - US Patent 5,982,111, 1999 - Google Patents

... or Firm—Knobbe, Martens, Olson & Bear, LLP [57] ABSTRACT An improved ballast circuit for use with a compact fluores- cent lamp includes an **EMI** filter, a ...

Cited by 1 - Related articles - Web Search - All 2 versions

Key authors: S Smith - K Tsukada - W Rudy - S Thompson - N Nakamura

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Fang: A firewall analysis engine- princeton edu (por)

A Mayer, A Wool, E Ziskind - 2000 IEEE Symposium on Security and Privacy, 2000. S&P 2000. ..., 2000 ieeexplore.ieee.org

... providing the rest. Behind the DMZ is the internal firewall, which guards the corporation's intranet. This firewall has three ...

Cited by 120 - Related articles - Web Search - BL Direct - All 14 versions

Network firewalls- ➤ psu.edu por

SM Bellovin, WR Cheswick - IEEE Communications Magazine, 1994 - leeexplore leee.org

... the outside gateway has to other internal hosts. Either filter, or forthat matterth egatewayitself, maybeomit- ted; the details will vary from firewall to firewall. ...

Cited by 113 - Related articles - Web Search - BL Direct - All 9 versions

[PDF] The inevitability of failure: The flawed assumption of security in modern computing environments

PA Loscocco, SD Smalley, PA Muckelbauer, RC Taylor ... - Proceedings of the 21st National Information Systems ..., 1998 - cs.unomaha.edu

... Modern firewall architectures typically involve the use of bastion hosts; in a ... to outsiders, and an inter- nal bastion host on the internal network, which is ...

Cited by 191 - Related articles - View as HTML - Web Search - All 69 versions

Distributed firewalls- > kernel.org (Por)

SM Bellovin - Journal of Login, 1999 - usenix.org

... external access. Just as file permissions enforce an **internal** security policy,

a firewall can enforce an external security policy. ...

Cited by 127 - Related articles - Web Search - All 42 versions

Designing an academic firewall: policy, practice, and experiencewith SURF- Incompany and programme a

M Greenwald, SK Singhal, JR Stone, DR Cheriton - Network and Distributed System Security, 1996.,

Proceedings ..., 1996 - leeexplore.leee.org

... The proxies run on a bastion host, an internal host config- ured specifically for the purpose. Unlike many traditional designs, our **firewall** permits multiple ...

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[PDF] Evaluating and improving firewalls for IP-telephony environments

U Roedig, R Ackermann, R Steinmetz... - The 1st IP Telephony Workshop, Berlin, 2000 - securitytechnet.com

... As we have shown, a commonly used internal firewall architecture as shown

in Figure 2 is not very useful for IP-Telephony scenarios. ...

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Security in mobile agent system: problems and approaches- > essex.ac.uk por

Y Kun, G Xin, L Dayou - ACM SIGOPS Operating Systems Review, 2000 - portal acm.org

... Firewall would hopefully not hinder internal people trying to get their job done, yet would restrict external malcontents. While ...

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Multilaver firewall system

DM Nessett, WP Sherer - US Patent 5,968,176, 1999 - Google Patents

... This approach has value, but introduces bottlenecks to the corporation intranet.

That is **internal firewalls** adversely affect performance within the company. ...

Cited by 50 - Related articles - Web Search - All 7 versions

IPDFI A distributed firewall for multimedia applications

U Roedig, R Ackermann, C Rensing, R Steinmetz - Proceedings of the Workshop "Sicherheit in Mediendaten, 2000 - cs.ucc.ie

... To fulfil the first criterion we specify requirements for the internal firewall communication subsystem as follows: - The firewall components, eg filters or ...

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Firewalls for security in wireless networks

U Murthy, O Bukhres, W Winn, E Vanderdez, C Inc, ... - System Sciences, 1998., Proceedings of the Thirty-First ..., 1998 - leeexplore.leee.org

... perhaps the most signi cant se- curity bene ts of a Firewall [Ranum92 ... The bastion host providesthe link between the screen- ing router and internal router and ...

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Putting it together a multi-dimensional approach to Internet security

FM Avolio - NetWorker, 1998 - portal.acm.org

... An organiza- tion may deploy additional internal firewalls — to protect the accounting department, for example, from the rest of the organization as well as ...

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Firewall system for protecting network elements connected to a public network

CD Coley, RE Wesinger Jr - US Patent 5,826,014, 1998 - Google Patents

... The connection 212 between the internal network 214 and the firewall 210 is preferably the only connection between these two elements. ...

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[CITATION] Implementing a Distributed Firewall

SM Bellovin, JM Smith - ACM Conference on Computer and Communications Security..... 2000 - ACM Cited by 3 - Related articles - Web Search

Information security and the Internet

GR Doddrell - Internet research: Electronic networking applications and ..., 1996 - emeraldinsight.com ... Internal/ external router Firewall boundary on user site Figure 5 Best practice firewall configuration - combined internal and external routers Page 5. ...

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[CITATION] Building Your Firewall Rulebase

L Spitzner - Lance's Security Papers, January, 2000 Cited by 8 - Related articles - Web Search

Key management for network communication

RH Levesque, JA Kraemer, AP Nadkarni - US Patent 5,825,891, 1998 - Google Patents ... A *u * ji ** • * ie 11 * 1=0 keys to other computers, sends the encrypted packet to internal firewall computer 158 in accordance with the tunnel database. ...

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Corporate system security: towards an integrated management approach. >> bublac.uk

HN Higgins - Information Management & Computer Security, 1999 - emeraldinsight.com

... Administrators should manage users' privileges to prevent **internal** users from accessing ... limit the chance of users who sneak in through holes in the **firewall**. ...

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Transferring encrypted packets over a public network

AJ Kirby, JA Kraemer, AP Nadkarni - US Patent 5,898,784, 1999 - Google Patents ... 5,898,784 5 6 If the header 82 is not a swIPe header, then the security sends the encrypted packet to **internal firewall** computer 158 network driver issues a ...

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[PDF] Management of network security applications

PC Hyland, R Sandhu - Proceedings of the 21st NIST-NCSC National Information ..., 1998 - csrc.nist.gov ... Internal Firewall External Firewall Organizational Boundary NMS External Firewall ... SNMP Agent Figure 3. Management of Internal vs. External Firewalls Page 10. ...

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X through the firewall, and other application relays

GW Treese, A Wolman - Proceedings of the USENIX Summer 1993 Technical Conference ..., 1993 - portal.acm.org

... Screening Router External Network Internal Network Internal Hosts Other Internal Networks X" s $\$ x" s $\$

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Key authors: S Bellovin - P Loscocco - S Smalley - P Muckelbauer - R Taylor

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